

Title (en)

A LED MULTI-CHIP BONDING DIE AND A LIGHT STRIPE HOLDING THE BONDING DIE

Title (de)

LED-MEHRCHIP-BONDCHIP UND DEN BONDCHIP HALTENDER LICHTSTREIFEN

Title (fr)

DÉ DE LIAISON À PUCES MULTIPLES À DEL ET BANDE LUMINEUSE PORTANT LEDIT DÉ DE LIAISON

Publication

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Application

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Priority

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Abstract (en)

An LED multi-chip bonding die (1) comprises a packaging enclosure, a plurality of LED chips and a packaging cover, wherein the chips are arranged in one line from top to bottom on the emitting platform. Large area electrodes are equipped on the packaging enclosure and the packaging cover is made of transparent silicon gel so that the bonding die can emit larger light energy and higher luminance via the packaging cover while the heat produced by the chips can be quickly dissipated by the electrodes. A light strip (20) equipped with the bonding die comprises a plurality of bonding die sections and circuit board (2) and each bonding die section (1) comprises four LED multi-chip bonding dies (1) and a current-limiting resistor in series circuit. Each series circuit is connected in parallel and circuit board (2) is printed circuit board which can provide a optimal heat-dissipating structure for chips of bonding die.

IPC 8 full level

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